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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

CJ/T 203-2000

Replacing CJ/T 203-2000

Non clogging pumps

(English Translation)

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Preview: page 1 of 4 shown, 13 in the full document. Complete English PDF, instant download:
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Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and definitions
4 Type, model and basic parameters
5 Working conditions
6 Material
7 Requirements
8 Test Method
9 Inspection rules
10 Logo, packaging, transportation and storage
Appendix A (informative) basic parameters

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is a revision of CJ/T 203-2000 "non-clogging pump", compared with the CJ/T 203-2000 main technical content changes are as follows.

--- Increase the provisions of the flow, the definition of head and the definition of the point (see 3.1, 3.2 and 3.3);

--- Modify the classification of the impeller type (see 4.1.4, 2000 version 5.1.2);

--- Modify the model representation (see 4.2.1, 2000 version 4.2);

--- Increasing the efficiency of the pump unit formula (see 4.3.3);

--- Increasing the protection level of pump motor housing requirements (see 4.3.4);

--- Increasing the requirements of working conditions (see Chapter 5);

--- Enhanced impeller material requirements (see Table 1, 2000 edition of Table 2);

--- Increased exposed fastener material requirements (see Table 1);

--- Increasing the requirements of mechanical seal materials and packing sealing materials (see 6.2);

--- Increasing the appearance and performance requirements (see 7.1.1 ~ 7.1.7);

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--- Increased bearing temperature and temperature limits requirements (see 7.5.3.5, 2000 version of 7.2.8);

--- Increased leakage of water at the mechanical seal requirements (see 7.7.3.7, 2000 version of 7.2.11.2);

--- Increasing the allowable length of fiber through the detection method (see 8.1.5.2);

--- Increasing the mean time between failures detection method (see 8.1.6);

--- Modify the rules of determination of the factory inspection (see 9.2.2, 2000 version 9.2.3);

--- Remove the product warranty and guarantee period (see the 2000 edition of Chapter 10);

--- Modify Appendix A, merged with Appendix B to expand the scope of the provisions (see Appendix A, 2000 edition of Appendix A and Appendix B).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Water Supply and Drainage Municipal Standardization Technical Committee centralized.

This standard was drafted. Tianjin Aege Environmental Engineering Technology Co., Ltd., Blue Deep Group Co., Ltd., Shanghai Yang Xuan Water Co., Ltd.

Division, Jiangsu Asia Pacific Valve Co., Ltd., Tianjin Water Industry Engineering Equipment Co., Ltd., Tianjin Municipal Engineering Design and Research Institute, Tianjin Environmental Engineering Cheng assessment center, Tianjin Zhen Xi Technology Development Co., Ltd., Fujian Blue Ocean Municipal Garden Construction Co., Ltd..

1 Scope

This standard specifies the non-clogging pump (hereinafter referred to as "pump") terms and definitions, type, model and basic parameters, working conditions, materials, to Requirements, test methods, inspection rules, marking, packaging, transportation and storage.

This standard applies to urban sewage treatment works without plugging pump manufacturing and testing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Preview: page 3 of 4 shown, 13 in the full document. Complete English PDF, instant download:
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GB/T 191 Packaging - Pictorial signs GB/T 230.1 Metallic materials Rockwell hardness test - Part 1. Test methods (A, B, C, D, E, F, G, H, K, N, T standard ruler) GB/T 699-2015 high-quality carbon structural steel Ductile iron parts GB/T 1569 cylindrical shaft extension Hydraulic power - Acceptance tests for rotary power pumps Class 1 and Class GB/T 4942.1 rotary motor overall structure of the protection level (IP code) classification GB/T 6391 rolling bearings rated dynamic load and rated life GB/T 8263-2010 anti-wear white cast iron parts GB/T 9239.1 mechanical vibration constant (rigid) rotor balance quality requirements - Part 1. Specification and balance of tolerance test Gray cast iron parts GB/T 9439-2010 GB/T 13306 signs GB/T 13384 mechanical and electrical product packaging General technical conditions GB/T 14211 mechanical seal test method GB/T 17241.6 overall cast iron flange GB/T 20878-2007 stainless steel and heat-resistant steel grades and chemical composition GB/T 23262 non-metallic sealing filler test methods Noise measurement and evaluation methods for pumps GB/T 29529-2013 GB/T 29531-2013 Pump vibration measurement and evaluation methods JB/T 1472 pump mechanical seal JB/T 4297 pump product painting conditions JB/T 5936 engineering machinery machining parts of the general technical conditions JB/T 5943 construction machinery welding general technical conditions JB/T 6881 pump reliability test JB/T 7557 coaxial error detection JC/T 2053 non-metallic sealing filler

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